Index of Claims



Application/Control No.

10/665,605

Examiner

Cameron Saadat

Applicant(s)/Patent under Reexamination

BIGELOW, ROBERT T.

Art Unit

3715

| <b>√</b> | Rejected | 1 | (Through numeral)<br>Cancelled | N | Non-Elected  |
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| =        | Allowed  | ÷ | Restricted                     | 1 | Interference |

| A | Appeal   |
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| Cla      | aim      | Date                    |              |          |                                     |               |          |   | CI       | aim      | Date    |          |    |  |          |          |          |         | Cli       | Date         |   |  |            |           |          |          |  |           |          |          |              |          |
|----------|----------|-------------------------|--------------|----------|-------------------------------------|---------------|----------|---|----------|----------|---------|----------|----|--|----------|----------|----------|---------|-----------|--------------|---|--|------------|-----------|----------|----------|--|-----------|----------|----------|--------------|----------|
|          | 16       | ا ا ا ا ا ا ا ا ا ا ا ا |              |          |                                     |               |          |   |          |          | <u></u> |          |    | ŀ  |          |          |          |         |           |              |   | <u>—</u>   |            |           |          |          |  |           |          |          |              |          |
| Final    | Original | 4/30/06                 |              |          |                                     |               |          |   |          |          | Final   | Original |    |  | ľ        |          | - 1      |         | ł         |              |   | Final  | Original   |           |          | -        |  |           |          |          | ı            | - 1      |
| ίĒ       | ξ        | ŝ                       |              |          |                                     |               |          |   |          |          | 🖫       | 😤        | 1  |  |          |          |          |         |           |              |   | Ē  | Ğ          |           |          | - 1      |  |           | ·        |          |              | -        |
|          | ار       | Ľ                       |              |          |                                     |               |          |   |          |          |         |          |    |  |          |          |          |         |           |              |   |  | )          |           |          |          |  |           |          |          |              | $\Box$   |
|          | 1        | V                       |              |          |                                     |               |          |   |          |          |         | 51       |    |  |          |          |          |         | $\prod$   |              |   |  | 101        |           |          |          |  |           |          |          |              | $\Box$   |
|          | 2        | 4                       |              |          |                                     |               |          |   |          |          |         | 52       |    |  |          |          |          |         |           |              |   |  | 102        |           |          |          |  |           |          |          |              | _        |
|          | 3        | 1                       |              |          |                                     |               |          |   |          |          |         | 53       |    |  |          |          |          |         |           |              |   |  | 103        |           |          |          |  |           |          |          |              | 凵        |
|          | 4        | √                       |              |          | 匚                                   | L             |          |   |          | _        |         | 54       |    |  |          |          | $\perp$  |         |           | 1_           |   |  | 104        | $\Box$    |          | $\Box$   |  |           |          |          | _            | ᅵ        |
|          | 5        | 1                       |              |          |                                     |               |          |   |          | _        |         | 55       |    | L  |          | _        |          | _       | _         | 4_           |   |  | 105        |           | _        | _        |  |           | _        |          |              | _        |
|          | 6        | 1                       |              |          |                                     |               |          | $ldsymbol{ld}}}}}}$ |          | _        |         | 56       |    |  |          | _        | _        |         | $\perp$   | <u> </u>     |   |  | 106        | $\dashv$  | _        |          |  |           |          | _        | _            | $\dashv$ |
|          | 7        | 1                       |              |          |                                     | _             |          |   | Ш        | _        |         | 57       |    | $\sqcup$   |          | _        | 4        |         | <u> </u>  | 4            |   |  | 107        |           | _        | _        |  | _         | _        | _        |              | _        |
|          | 8        | 1                       |              |          | _                                   | _             | _        |   | Щ        | _        | ļ       | 58       |    | $\sqcup$   |          | _        | _        |         | 4_        | -            |   |  | 108        | _         | _        | _        |  |           |          | -        | _            | _        |
|          | 9        | 1                       | _            |          |                                     |               | <u> </u> |   | $\Box$   | _        |         | 59       |    | $\vdash$   |          |          | $\dashv$ |         | - -       | 4—           |   |  | 109        |           | _        | _        |  |           | _        | 4        | _            | _        |
|          | 10       | 1                       | <u> </u>     |          | _                                   |               |          | lacksquare  |          | _        |         | 60       |    | $\vdash \vdash$                                  |          | -        | 4        | - -     |           |              |   |  | 110        | _         |          |          |  |           | _        | 4        | _            | 긕        |
|          | 11       | 1                       |              | $\vdash$ | $\vdash$                            | <u> </u>      | $\vdash$ | $\vdash$  | $\sqcup$ | 4        |         | 61       |    | $\vdash \vdash$                                  | _        | -        | -        |         | _         |              |   | <u> </u>   | 111        | $\dashv$  |          |          |  |           | $\dashv$ | $\dashv$ | _            | $\dashv$ |
|          | 12       | 1                       |              | $\vdash$ | $\vdash$                            | $\vdash$      | $\vdash$ | $\vdash$  | $\vdash$ | $\dashv$ | -       | 62       |    | $\vdash$   |          |          | -        |         | 4         | +            |   | <u> </u>   | 112        |           |          |          |  |           | $\dashv$ | $\dashv$ | _            | $\dashv$ |
|          | 13       | 1                       | $\vdash$     |          | $\vdash$                            | $\vdash$      | $\vdash$ |   | $\vdash$ | $\dashv$ | -       | 63       |    | $\vdash \vdash$                                  |          | -        | +        | +       | +-        | +            |   | <u> </u>   | 113<br>114 |           |          |          |  |           |          | $\dashv$ | $\dashv$     | $\dashv$ |
|          | 14       | _                       | <u> </u>     |          | $\vdash$                            |               | $\vdash$ | $\vdash$  | $\vdash$ | $\dashv$ |         | 64       |    | ╌┤   | -        | $\dashv$ | $\dashv$ |         | -         | +-           | ! |  |            | -         | -+       | $\dashv$ |  |           | $\dashv$ | $\dashv$ |              | $\dashv$ |
| -        | 15<br>16 | 1                       | -            | <u> </u> | $\vdash$                            | <del> </del>  | $\vdash$ | $\vdash$  | $\vdash$ | $\dashv$ | -       | 65<br>66 |    | $\vdash \vdash$                                  |          |          | $\dashv$ | +       | +-        | +-           |   |  | 115<br>116 | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$                                 | -         | $\dashv$ | $\dashv$ | +            | $\dashv$ |
|          | 17       | V                       | -            | _        | -                                   | _             | <u> </u> | $\vdash$  | $\vdash$ | $\dashv$ |         | 67       |    | ╌  | ┵        | $\dashv$ | ╅        | -       | +-        | +            |   |  | 117        |           | $\dashv$ | $\dashv$ | $\dashv$                                 | $\dashv$  | $\dashv$ | $\dashv$ | <del>-</del> | $\dashv$ |
|          | 18       | Ť                       | H            |          | -                                   |               | ┝        | ├   | $\vdash$ | $\dashv$ | -       | 68       |    | ╁  |          | -+       | +        |         | +         | +            |   |  | 118        |           | $\dashv$ | $\dashv$ | $\dashv$                                 | -         | $\dashv$ | $\dashv$ | -            | $\dashv$ |
|          | 19       | V                       | $\vdash$     |          | -                                   | $\vdash$      | $\vdash$ | -   |          | $\dashv$ | -       | 69       |    | $\vdash$   | $\dashv$ | $\dashv$ | +        | +       | +         |              |   |  | 119        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$                                 |           |          | $\dashv$ | -            | ᅱ        |
|          | 20       | <b>⊢</b> `              |              |          |                                     | $\vdash$      | $\vdash$ | $\vdash$  | $\vdash$ | $\dashv$ | -       | 70       |    | H  | $\dashv$ | $\dashv$ | +        | +       | ╁╴        | +            |   |  | 120        | -         |          |          | -  |           |          | $\dashv$ |              | $\dashv$ |
|          | 21       | -                       | -            |          | -                                   | -             | $\vdash$ | H   |          | $\dashv$ |         | 71       |    | ╁  | -+       | +        | +        | +       | ╅         | 1            |   |  | 121        |           | -        | -        |  |           |          |          |              | $\dashv$ |
|          | 22       | Н                       |              | _        |                                     | -             | ┝        | _   | $\vdash$ | $\dashv$ | -       | 72       |    | $\vdash$   | -        | -        | +        | +       | +         |              |   |  | 122        |           | $\dashv$ | $\dashv$ | _  | _         |          | $\dashv$ |              | $\dashv$ |
| -        | 23       | $\vdash$                | -            | _        | -                                   | <del> </del>  |          | -   | -        | $\dashv$ | -       | 73       |    | <del>   </del>                                   | $\dashv$ | $\dashv$ | 7        | +       | +         | +            |   |  | 123        |           | $\dashv$ | $\dashv$ |  | $\dashv$  |          | $\dashv$ | _            | $\dashv$ |
|          | 24       | $\vdash$                | _            |          | -                                   | $\vdash$      |          | -   |          | $\dashv$ | -       | 74       | +  | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | $\top$  | +         |              |   |  | 124        | $\dashv$  | $\dashv$ | $\dashv$ |  | $\exists$ |          | $\dashv$ | _            | 一        |
|          | 25       |                         |              | -        |                                     | $\vdash$      | -        | -   |          | $\neg$   | ļ       | 75       |    | $\Box$   | _        | $\dashv$ | T        | 十       | $\dagger$ |              |   |  | 125        | $\exists$ | _        | $\dashv$ |  |           |          | $\dashv$ | 1            | ヿ        |
|          | 26       |                         | -            |          |                                     |               |          | -   |          | $\dashv$ |         | 76       |    | 1  | 1        | 寸        | $\dashv$ | $\top$  | $\top$    |              |   |  | 126        |           | $\dashv$ | 寸        |  |           | $\dashv$ | 寸        | T            | ヿ        |
|          | 27       |                         | _            |          | -                                   |               |          | -   |          | _        |         | 77       |    | $\vdash$   |          | T        | $\top$   | $\top$  | $\top$    | 1            | i |  | 127        | $\exists$ | T        | 一        |  |           |          | 寸        |              | ┪        |
|          | 28       |                         |              |          |                                     |               |          |   |          | _        |         | 78       |    |  | T        | T        | T        |         | 十         |              |   |  | 128        |           | 寸        |          |  |           |          |          |              | コ        |
|          | 29       | -                       |              |          |                                     |               |          | _   |          |          |         | 79       |    |  |          | 1        | _        |         | $\top$    |              |   |  | 129        |           | $\neg$   |          | -  |           |          |          |              | $\neg$   |
|          | 30       |                         |              |          |                                     |               |          |   |          | 7        |         | 80       |    | П  |          | T        | T        | $\neg$  | T         |              |   |  | 130        |           | T        | T        |  |           |          | $\neg$   |              | П        |
|          | 31       |                         |              |          |                                     |               |          |   |          | $\neg$   |         | 81       |    |  |          | T        | T        |         | $\top$    |              | i |  | 131        |           | 丁        |          | Ì  | Í         |          | $\neg$   |              | ٦        |
|          | 32       |                         |              |          |                                     |               |          |   |          |          |         | 82       |    |  |          |          |          | I       |           |              |   |  | 132        |           |          |          |  |           |          |          |              |          |
|          | 33       |                         |              |          |                                     |               |          |   |          | ╝        |         | 83       |    | Ш  |          |          | $\Box$   |         |           |              | ; |  | 133        |           |          | $\Box$   |  |           |          |          |              | $\Box$   |
|          | 34       | L_                      | $\Box$       |          | <u> </u>                            |               |          |   |          | _        |         | 84       |    | Ш  |          | [        |          | J.      |           |              |   |  | 134        |           | _[       |          | $ \_                                   $ | I         | [        | $\Box$   |              |          |
|          | 35       | L_                      | <u> </u>     |          | _                                   |               |          | <u> </u>  |          | _        |         | 85       |    |  | _        |          |          |         | _         | $oxed{oxed}$ |   |  | 135        |           |          |          |  |           |          | [        |              | Щ        |
|          | 36       | ļ                       | Щ            |          | L                                   |               | $\Box$   | <u> </u>  |          |          |         | 86       |    | Ш  | [        |          |          |         |           |              |   |  | 136        |           |          |          |  |           |          | $\Box$   | [            |          |
|          | 37       |                         | igsquare     |          | _                                   | $\sqsubseteq$ |          | <u> </u>  |          | _        |         | 87       |    | $\sqcup$   | ļ        | _        | $\perp$  | $\perp$ | 1         | 1            |   | <u> </u>   | 137        |           |          |          | _  |           | _        | _        | ļ            |          |
|          | 38       |                         | $oxed{oxed}$ |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш             |          | Щ   | $\Box$   | _        |         | 88       |    |  | ļ        | 4        | _        | _ _     | <u>↓</u>  | 1            |   | <u> </u>   | 138        | ļ         | _        | _        | _  | ļ         |          | _        | _            | _        |
|          | 39       | L                       | <u> </u>     |          |                                     | Щ             |          | Ш   | $\Box$   | 4        |         | 89       |    | $\sqcup$   | _        | $\dashv$ | $\perp$  | $\bot$  | $\bot$    | $\perp$      |   |  | 139        | $\Box$    | $\dashv$ |          | _  | _         |          | _        | _            |          |
|          | 40       | <u> </u>                | _            |          | <u> </u>                            | $\vdash$      |          | H   | $\dashv$ | 4        |         | 90       |    | $\vdash \vdash$                                  | 4        | $\dashv$ | +        | +       | +         | $\vdash$     |   | <u> </u>   | 140        | $\Box$    | _        |          | _  | _         |          |          |              | -        |
|          | 41       |                         |              |          | _                                   |               | _        | $\vdash$  | 4        | 4        |         | 91       | +  | $\vdash \vdash$                                  |          | -        | -        | +       | $\bot$    | $\vdash$     | İ |  | 141        |           |          |          | _  | _         |          | $\dashv$ | _            | $\dashv$ |
|          | 42       | <u> </u>                | $\vdash$     |          | $\vdash$                            | $\vdash$      | $\vdash$ |   |          | 4        | -       | 92       |    | $\vdash$   | _        | -        | $\dashv$ | $\bot$  | +         | +            |   | <u> </u>   | 142        |           |          |          |  | $\dashv$  |          | _        | _            |          |
|          | 43       | <u> </u>                | -            |          | H                                   | Н             | -        | $\vdash \dashv$   |          |          |         | 93       |    | $\vdash$   |          | +        | $\dashv$ |         | +-        | ┼            |   |  | 143        |           |          | -        | -  |           | $\vdash$ |          |              | $\dashv$ |
| <u> </u> | 44       |                         | -            |          | ┝╌                                  | Н             | $\vdash$ | $\vdash$  | $\dashv$ | ႕        |         | 94       |    | $\vdash$   |          | $\dashv$ | $\dashv$ | +       | ╁         | +-           |   | <u> </u>   | 144        | $\vdash$  | $\dashv$ | -        | $\dashv$                                 | $\dashv$  |          |          | -            | $\dashv$ |
|          | 45<br>46 | -                       |              | -        | -                                   | $\vdash$      | $\vdash$ | Н   | $\dashv$ | $\dashv$ | -       | 95<br>96 |    | $\vdash$   | -        | -+       | $\dashv$ | +       | +         | +            |   | $\vdash$   | 145<br>146 |           | -+       |          |  |           |          | $\dashv$ | $\dashv$     |          |
|          | 46       |                         | -            |          | -                                   | $\vdash$      | $\vdash$ | $\vdash$  |          | $\dashv$ | -       | 96       | +  | ╁┼   | -        | -+       | -+       | +       | +         | ╁╌           |   | <del>                                     </del> | 147        | -         | -+       |          | $\dashv$                                 |           |          | -        | $\dashv$     |          |
|          | 48       |                         | -            |          | H                                   | $\vdash$      | -        | $\vdash$  | $\dashv$ | $\dashv$ |         | 98       |    | $\vdash$   | -        | $\dashv$ | $\dashv$ | +       | +-        | ┼            |   | $\vdash$   | 147        | $\vdash$  | $\dashv$ | -        | -  |           |          | $\dashv$ | -            | $\dashv$ |
|          | 49       | -                       | -            |          | $\vdash$                            | $\vdash$      | -        | $\vdash\vdash$  |          | $\dashv$ | -       | 99       | +- | $\vdash$   | +        | $\dashv$ | +        | +       | +-        | ╁╌           |   | <u> </u>   | 149        | $\dashv$  | $\dashv$ | -        |  |           |          | -        |              | $\dashv$ |
|          | 50       |                         | <u> </u>     |          | $\vdash$                            | -             | $\vdash$ | $\vdash\vdash$  | $\dashv$ | $\dashv$ |         | 100      |    | <del>                                     </del> | +        | $\dashv$ | $\dashv$ | +-      | +         | +            |   |  | 150        | -         |          |          |  | $\dashv$  |          | $\dashv$ |              | $\dashv$ |
|          | 30       | Ц                       | ட            | Ц.,      |                                     |               |          | ட   | $\perp$  |          |         | LIU      |    | Щ  | 1        |          |          |         |           | L_           |   | Щ.   | 130        |           |          |          |  | !         |          |          |              |          |